



Installation of photovoltaic panels on inland vessels





Overview

Researchers from Delft University of Technology in the Netherlands have looked at how vehicle-integrated photovoltaics (VIPV) could be applied in inland shipping fleets. The Blue Marline is the first inland shipping vessel capable of hybrid sailing with solar power. Wattlelab Dutch solar innovator Wattlelab and German inland shipping giant HGK Shipping have teamed up to launch the world's first hybrid solar-powered inland vessel as part of an ambitious initiative to. The Blue Marlin, an inland cargo vessel equipped with 192 solar panels, docked at De Gerlien van Tiem shipyard. The inland shipping sector has reached a significant milestone with the launch. Dutch maritime solar innovator Wattlelab has delivered a solar energy system for HGK Shipping's inland shipping cargo vessel Blue Marlin.



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[Photovoltaics for inland shipping vessels](#)

Researchers from Delft University of Technology in the Netherlands have looked at how vehicle-integrated photovoltaics (VIPV) could be applied in inland shipping fleets. They have ...



[World first claimed for hybrid solar-powered inland shipping vessel](#)

In what's presented as a significant technical milestone for sustainable inland shipping, the vessel's 192 solar panels will provide power to both the onboard and propulsion systems, making the ...



[A review of the applications of solar photovoltaic in marine vessels](#)

Fig. 14 illustrates the installation of PV panels on the deck of a bulk carrier, highlighting the practical implementation of photovoltaic technology in maritime applications.



[World's first inland solar ship to glide on sun power with 192 panels](#)

Dutch solar innovator Wattlab and German inland shipping giant HGK Shipping have teamed up to launch the world's first hybrid solar-powered inland vessel as part of an ambitious ...



[Solar Photovoltaic Systems: Assessing Their Impact on the](#)

A work presents a novel method for PV array arrangement on a Roll-on, Roll-off (Ro-Ro) type of vessel and does a practical calculation on the problem of power analysis of the built PV system.



[First Solar Powered Inland Shipping Vessel](#)

The company is considered a leading player in European dry bulk, gas and chemical transport. The solar installation was developed by Wattlelab, a Netherlands-based maritime solar ...



[Solar Power Moves From Pilot to Payload on the Rhine as HGK's Blue](#)

Unlike earlier inland vessels where photovoltaic systems feed only low voltage services, Blue Marlin's power management system allows solar energy to support the high voltage propulsion bus.



[Application of Vessel Solar Photovoltaic Power Generation System](#)



Based on the analysis of the solar photovoltaic power generation theory and power system theory, this paper studies the influence of marine environmental factors on the output characteristics of solar ...



[Installing Solar Panels on Boats and Marine Vessels](#)

Discover expert strategies for installing solar panels on boats, maximizing renewable energy and sustainable performance at sea.

[DUTCH PARTNERSHIP DEVELOPS SOLAR POWER FOR INLAND ...](#)

In 2024, HGK's 135m long dry cargo vessel Helios made headlines - and entered The Guinness Book of Records - for having the world's largest solar panel installation on an inland ...





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